Surface Science 195 (1988) 619–623
North-Holland, Amsterdam

AUTHOR INDEX

Adnot, A., see McBreen 195 (1988) L208
Agrawal, P.M., D.L. Thompson and L.M. Raff, Computational studies of heterogeneous reactions of SiH_2 on Si(111) surfaces 195 (1988) 283
Akhter, S., see Zhu 195 (1988) L145
Altman, E.I. and R.J. Gorte, A comparison of the desorption of CO from Pt and Rh particles on α-Al_2O_3{0001} 195 (1988) 392
Armand, G., see Manson 195 (1988) 513

Baddorf, A., see Heskett 195 (1988) 94
Baetzold, R.C., Y.T. Tan and P.W. Tasker, A computational approach to silver halide surfaces 195 (1988) 579
Barteau, M.A., see Peng 195 (1988) 103
Bauer, E., see Pavlovska 195 (1988) 207
Beckerle, J.D., Q.Y. Yang, A.D. Johnson and S.T. Ceyer, The adsorption of CO and O_2 on Ni(111) at 8 K 195 (1988) 77
Bell, A.T., see Levin 195 (1988) 341
Bell, A.T., see Levin 195 (1988) 429
Benazeth, C., see Delaunay 195 (1988) 455
Benazeth, N., see Delaunay 195 (1988) 455
Billing, G.D., Laser-assisted molecule–surface collisions 195 (1988) 187
Boring, J.W., see Chrisey 195 (1988) 594
Bornemann, T., A. Otto, K.H. Frank and B. Reihl, On the optical properties of coldly deposited silver films: comparison of EELS and reflectivity spectra 195 (1988) 161
Boulliard, J.C. and M.P. Sotto, Structural study of segregated sulphur on the stepped faces associated with Cu(100) 195 (1988) 255
Broomfield, K. and R.M. Lambert, Model studies of the effects of σ and π hybridisation on the binding of CO to copper surfaces: a CASSCF study of the $^4\Pi$ state of CuCO 195 (1988) L155

Castro, M.E., see Zhu 195 (1988) L145
Ceyer, S.T., see Beckerle 195 (1988) 77
Chrisey, D.B., J.W. Boring, R.E. Johnson and J.A. Phipps, Molecular ejection from low temperature sulfur by keV ions 195 (1988) 594
Chung, Y.W., see Parrill 195 (1988) 443
Companion, A.L., see Kusuma 195 (1988) 59
Comsa, G., see Kern 195 (1988) 353
Crapper, M.D., see Woodruff 195 (1988) 237

Darici, Y., J. Marcano, H. Min and P.A. Montano, LEED measurements of one monolayer of iron epitaxially grown on Cu(111) 195 (1988) 566
David, R., see Kern 195 (1988) 353

Delaunay, M., C. Benazeth, N. Benazeth, R. Geller and C. Mayoral, Electron emission in multiply charged noble gas ion–gold solid target collisions: total and Auger yields 195 (1988) 455

Edwards, D.S., see Peng 195 (1988) 103
Egawa, C. and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43

Fan, W.C., J. Strozier and A. Ignatiev, Island formation of aluminum on the graphite (0001) surface: LEED and AES study 195 (1988) 226
Frank, K.H., see Bornemann 195 (1988) 161

Gates, S.M., Adsorption kinetics of SiH_4, Si_2H_6 and Si_3H_8 on the Si(111)-(7 × 7) surface 195 (1988) 307
Geller, R., see Delaunay 195 (1988) 455
George, T.F., see Kim 195 (1988) 1
Germer, T.A., see Richter 195 (1988) L182
Girard, C. and C. Girardet, Substrate-mediated interactions between adsorbed atoms and molecules – a discrete solid theory 195 (1988) 173
Girardet, C., see Girard 195 (1988) 173
Gnaser, H. and I.D. Hutcheon, Preferential emission of lighter isotopes in the initial stage of sputtering 195 (1988) 499
Gorte, R.J., see Altman 195 (1988) 392
Gullikson, E.M., A.P. Mills, Jr. and J.M. Phillips, Electron and positron work functions of cobalt silicide 195 (1988) L150

Han Rushan, see Zheng Qing-qi 195 (1988) L173
Harrington, D.A. and P.R. Norton, Activated adsorption of deuterium on Ni(110): evidence for a high temperature desorption state 195 (1988) L135
He, J.-W. and P.R. Norton, Fractional-order desorption of D_2 from a Pd(110) surface 195 (1988) L199
Heskett, D., A. Baddorf and E.W. Plummer, Nitrogen-induced reconstruction of Cu(110): formation of a surface nitride 195 (1988) 94
Ho, W., see Richter 195 (1988) L182
Hudson, J.B., see Kurz 195 (1988) 15
Hudson, J.B., see Kurz 195 (1988) 31
Hutcheon, I.D., see Gnaser 195 (1988) 499

Ignatiev, A., see Fan 195 (1988) 226
Iwasawa, Y., see Egawa 195 (1988) 43

Johnson, A.D., see Beckerle 195 (1988) 77
Johnson, R.E., see Chrisey 195 (1988) 594
Jones, R.G., see Woodruff 195 (1988) 237
Jones, W.E., see Tan 195 (1988) L193
Joyce, S., J.G. Langan and J.I. Steinfeld, Reactions of XeF_2 with thermally grown SiO_2 195 (1988) 270

Kawai, M., see Kawai 195 (1988) 535
Kawai, R. and M. Kawai, Theory of the low-energy surface–Okorokov excitation for studying excited states of atoms in collision with surfaces 195 (1988) 535

Kern, K., R. David, P. Zeppenfeld and G. Comsa, Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111) 195 (1988) 353
Kim, Y.S., P.T. Leung and T.F. George, Classical decay rates for molecules in the presence of a spherical surface: a complete treatment 195 (1988) 1
Knibb, M.G. and P.A. Maksym, The effect of reconstruction on RHEED intensities for the GaAs(001)2 × 4 surface 195 (1988) 475
Korobtsov, V.V., V.G. Lifshits and A.V. Zotov, Formation of Si(111)$\sqrt{3} \times \sqrt{3}$-B and Si epitaxy on Si(111)$\sqrt{3} \times \sqrt{3}$-B: LEED–AES study 195 (1988) 466
Kurz, E.A. and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). I. Helium scattering as a probe of adsorption 195 (1988) 15
Kurz, E.A. and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). II. Angle resolved thermal desorption spectroscopy and kinetic mechanism 195 (1988) 31
Kusuma, T.S. and A.L. Companion, An EHMO study of the interaction of CO molecules adsorbed on a Ni(111) surface with neighboring CO molecules, H atoms and O atoms 195 (1988) 59

Lagally, M.G., see Tringides 195 (1988) L159
Lakerveld, D.G., see Sasse 195 (1988) L167
Lambert, R.M., see Broomfield 195 (1988) L155
Langan, J.G., see Joyce 195 (1988) 270
Leung, P.T., see Kim 195 (1988) 1
Levin, M.E., K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, Alumina and titania overlayers on rhodium: a comparison of the chemisorption and catalytic properties 195 (1988) 341
Levin, M.E., M. Salmeron, A.T. Bell and G.A. Somorjai, The characterization of Ti and Al oxide overlayers on rhodium and gold by XPS 195 (1988) 429
Lifshits, V.G., see Korobtsov 195 (1988) 466

Maksym, P.A., see Knibb 195 (1988) 475
Manson, J.R. and G. Armand, Simple approximation to thermal attenuation in low energy atom–surface scattering: multiple phonon processes 195 (1988) 513
Marcano, J., see Darici 195 (1988) 566
Mayoral, C., see Delaunay 195 (1988) 455
McBreen, P.H., S. Serghini-Monim, D. Roy and A. Adnot, Decomposition of formic acid on FeTi 195 (1988) L208
McConville, C.F., see Woodruff 195 (1988) 237
Mills, Jr., A.P., see Gullikson 195 (1988) L150
Min, H., see Darici 195 (1988) 566
Montano, P.A., see Darici 195 (1988) 566
Morawski, A., see Tan 195 (1988) L193
Moylan, T.E., see Wagner 195 (1988) 403

Neddermeyer, H., see Radlik 195 (1988) 195
Niehaus, A., see Zeijlmans van Emmichoven 195 (1988) 115
Norton, P.R., see Harrington 195 (1988) L135
Norton, P.R., see He 195 (1988) L199

Otto, A., see Bornemann 195 (1988) 161

Packard, W.E. and M.B. Webb, Xenon and krypton adsorption on Ge(111) 195 (1988) 371
Parrill, T.M., Y.W. Chung and K.A. Stair, The effect of oxygen exposure on subsequent deposition of thin gold films on clean InP($\bar{1}\bar{1}\bar{1}$) surfaces 195 (1988) 443

Pavlovska, A., H. Steffen and E. Bauer, A comparison of thermal desorption techniques at high temperatures: Au on Mo(110) 195 (1988) 207
Peng, X.D., D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103
Petrakian, J.P. and P. Renucci, Influence of the depth resolution on the resulting AES profiles of components in multilayer thin film structures 195 (1988) 151
Phaneuf, R.J. and E.D. Williams, Metastable structures of Si(111) formed by laser-quenching 195 (1988) 330
Phillips, J.M., see Gullikson 195 (1988) L150
Phipps, J.A., see Chrisey 195 (1988) 594
Plummer, E.W., see Heskett 195 (1988) 94
Prince, N.P., see Woodruff 195 (1988) 237

Radlik, W. and H. Neddermeyer, UV photoemission study of the system Cu on Si(100)2×1 195 (1988) 195
Raff, L.M., see Agrawal 195 (1988) 283
Reihl, B., see Bornemann 195 (1988) 161
Renucci, P., see Petrakian 195 (1988) 151
Richter, L.J., T.A. Germer and W. Ho, Coadsorption-induced site changes: bridging hydrogen from CO and H on Rh(100) 195 (1988) L182
Riley, C.E., see Woodruff 195 (1988) 237
Roy, D., see McBreen 195 (1988) L208

Salmeron, M., see Levin 195 (1988) 341
Salmeron, M., see Levin 195 (1988) 429
Sasse, A.G.B.M., D.G. Lakerveld and A. van Silfhout, The adsorption of nitric oxide on a silicon (100) 2×1 surface studied with Auger electron spectroscopy 195 (1988) L167
Schmieg, S.J., see Wagner 195 (1988) 403
Serghini-Monim, S., see McBreen 195 (1988) L208
Seymour, D.L., see Woodruff 195 (1988) 237
Somorjai, G.A., see Levin 195 (1988) 341
Somorjai, G.A., see Levin 195 (1988) 429
Sotto, M.P., see Boulliard 195 (1988) 255
Stair, K.A., see Parrill 195 (1988) 443
Steffen, H., see Pavlovska 195 (1988) 207
Steinfeld, J.I., see Joyce 195 (1988) 270
Stenschke, H., Superfluidity and film formation of ^4He on metal surfaces 195 (1988) 133
Strozier, J., see Fan 195 (1988) 226

Tan, H.S., A. Morawski and W.E. Jones, Temperature programmed desorption studies of CO on CdTe(110) 195 (1988) L193
Tan, Y.T., see Baetzold 195 (1988) 579
Tasker, P.W., see Baetzold 195 (1988) 579
Thompson, D.L., see Agrawal 195 (1988) 283
Tringides, M.C. and M.G. Lagally, The use of peak intensity in diffraction measurements of growth kinetics on surfaces 195 (1988) L159

Underhill, P.R., An embedded atom calculation of surface segregation in Co–Ni alloys 195 (1988) 557

Van Silfhout, A., see Zandvliet 195 (1988) 138
Van Silfhout, A., see Sasse 195 (1988) L167

Wagner, F.T., T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403
Webb, M.B., see Packard 195 (1988) 371
White, J.M., see Zhu 195 (1988) L145
Williams, E.D., see Phaneuf 195 (1988) 330
Williams, K.J., see Levin 195 (1988) 341
Woodruff, D.P., D.L. Seymour, C.F. McConville, C.E. Riley, M.D. Crapper, N.P. Prince and R.G. Jones, A simple X-ray standing wave technique for surface structure determination – theory and an application 195 (1988) 237
Wouters, P.A.A.F., see Zeijlmans van Emmichoven 195 (1988) 115

Yang, Q.Y., see Beckerle 195 (1988) 77

Zandvliet, H.J.W. and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138
Zeijlmans van Emmichoven, P.A., P.A.A.F. Wouters and A. Niehaus, Angle resolved electron spectra from grazing incidence He^{2+}/Cu(110) collisions 195 (1988) 115
Zeng Zhi, see Zheng Qing-qi 195 (1988) L173
Zeppenfeld, P., see Kern 195 (1988) 353
Zhdanov, V.P., On kinetics of reactions limited by surface diffusion 195 (1988) L217
Zheng Qing-qi, Zeng Zhi and Han Rushan, Electronic structures of Ag-adsorbed Si(111) surface 195 (1988) L173
Zhu, X.-Y., S. Akhter, M.E. Castro and J.M. White, Kinetic studies using static SIMS: H_2 adsorption on Ni(100) 195 (1988) L145
Zotov, A.V., see Korobtsov 195 (1988) 466

Surface Science 195 (1988) 624–636
North-Holland, Amsterdam

SUBJECT INDEX

Alkali halides

H. Gnaser and I.D. Hutcheon, Preferential emission of lighter isotopes in the initial stage of sputtering 195 (1988) 499

Alloys

P.H. McBreen, S. Serghini-Monim, D. Roy and A. Adnot, Decomposition of formic acid on FeTi 195 (1988) L208

P.R. Underhill, An embedded atom calculation of surface segregation in Co–Ni alloys 195 (1988) 557

Aluminium

W.C. Fan, J. Strozier and A. Ignatiev, Island formation of aluminum on the graphite (0001) surface: LEED and AES study 195 (1988) 226

Aluminium oxide

M.E. Levin, K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, Alumina and titania overlayers on rhodium: a comparison of the chemisorption and catalytic properties 195 (1988) 341

M.E. Levin, M. Salmeron, A.T. Bell and G.A. Somorjai, The characterization of Ti and Al oxide overlayers on rhodium and gold by XPS 195 (1988) 429

Atom scattering

E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). I. Helium scattering as a probe of adsorption 195 (1988) 15

K. Kern, R. David, P. Zeppenfeld and G. Comsa, Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111) 195 (1988) 353

J.R. Manson and G. Armand, Simple approximation to thermal attenuation in low energy atom–surface scattering: multiple phonon processes 195 (1988) 513

R. Kawai and M. Kawai, Theory of the low-energy surface Okorokov excitation for studying excited states of atoms in collision with surfaces 195 (1988) 535

Auger electron spectroscopy

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103

J.P. Petrakian and P. Renucci, Influence of the depth resolution on the resulting AES profiles of components in multilayer thin film structures 195 (1988) 151

W.C. Fan, J. Strozier and A. Ignatiev, Island formation of aluminum on the graphite (0001) surface: LEED and AES study 195 (1988) 226
A.G.B.M. Sasse, D.G. Lakerveld and A. van Silfhout, The adsorption of nitric oxide on a silicon (100) 2×1 surface studied with Auger electron spectroscopy 195 (1988) L167
M. Delaunay, C. Benazeth, N. Benazeth, R. Geller and C. Mayoral, Electron emission in multiply charged noble gas ion–gold solid target collisions: total and Auger yields 195 (1988) 455

Boron

V.V. Korobtsov, V.G. Lifshits and A.V. Zotov, Formation of Si(111)$\sqrt{3} \times \sqrt{3}$-B and Si epitaxy on Si(111)$\sqrt{3} \times \sqrt{3}$-B: LEED–AES study 195 (1988) 466

Cadmium telluride

H.S. Tan, A. Morawski and W.E. Jones, Temperature programmed desorption studies of CO on CdTe(110) 195 (1988) L193

Carbon, see also Graphite

K. Broomfield and R.M. Lambert, Model studies of the effects of σ and π hybridisation on the binding of CO to copper surfaces: a CASSCF study of the $^4\Pi$ state of CuCO 195 (1988) L155

Carbon monoxide

C. Egawa and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43
T.S. Kusuma and A.L. Companion, An EHMO study of the interaction of CO molecules adsorbed on a Ni(111) surface with neighboring CO molecules, H atoms and O atoms 195 (1988) 59
J.D. Beckerle, Q.Y. Yang, A.D. Johnson and S.T. Ceyer, The adsorption of CO and O_2 on Ni(111) at 8 K 195 (1988) 77
G.D. Billing, Laser-assisted molecule–surface collisions 195 (1988) 187
M.E. Levin, K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, Alumina and titania overlayers on rhodium: a comparison of the chemisorption and catalytic properties 195 (1988) 341
L.J. Richter, T.A. Germer and W. Ho, Coadsorption-induced site changes: bridging hydrogen from CO and H on Rh(100) 195 (1988) L182
H.S. Tan, A. Morawski and W.E. Jones, Temperature programmed desorption studies of CO on CdTe(110) 195 (1988) L193
E.I. Altman and R.J. Gorte, A comparison of the desorption of CO from Pt and Rh particles on α-$Al_2O_3\{0001\}$ 195 (1988) 392
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403

Carboxylic acid

P.H. McBreen, S. Serghini-Monim, D. Roy and A. Adnot, Decomposition of formic acid on FeTi 195 (1988) L208

Catalysis

E.I. Altman and R.J. Gorte, A comparison of the desorption of CO from Pt and Rh particles on α-$Al_2O_3\{0001\}$ 195 (1988) 392

Chemisorption theory

K. Broomfield and R.M. Lambert, Model studies of the effects of σ and π hybridisation on the binding of CO to copper surfaces: a CASSCF study of the $^4\Pi$ state of CuCO 195 (1988) L155

T.S. Kusuma and A.L. Companion, An EHMO study of the interaction of CO molecules adsorbed on a Ni(111) surface with neighboring CO molecules, H atoms and O atoms 195 (1988) 59

C. Girard and C. Girardet, Substrate-mediated interactions between adsorbed atoms and molecules – a discrete solid theory 195 (1988) 173

Zheng Qing-qi, Zeng Zhi and Han Rushan, Electronic structures of Ag-adsorbed Si(111) surface 195 (1988) L173

Cobalt

E.M. Gullikson, A.P. Mills, Jr. and J.M. Phillips, Electron and positron work functions of cobalt silicide 195 (1988) L150

Copper

K. Broomfield and R.M. Lambert, Model studies of the effects of σ and π hybridisation on the binding of CO to copper surfaces: a CASSCF study of the $^4\Pi$ state of CuCO 195 (1988) L155

D. Heskett, A. Baddorf and E.W. Plummer, Nitrogen-induced reconstruction of Cu(110): formation of a surface nitride 195 (1988) 94

P.A. Zeijlmans van Emmichoven, P.A.A.F. Wouters and A. Niehaus, Angle resolved electron spectra from grazing incidence He^{2+}/Cu(110) collisions 195 (1988) 115

W. Radlik and H. Neddermeyer, UV photoemission study of the system Cu on Si(100)2×1 195 (1988) 195

D.P. Woodruff, D.L. Seymour, C.F. McConville, C.E. Riley, M.D. Crapper, N.P. Prince and R.G. Jones, A simple X-ray standing wave technique for surface structure determination – theory and an application 195 (1988) 237

J.C. Boulliard and M.P. Sotto, Structural study of segregated sulphur on the stepped faces associated with Cu(100) 195 (1988) 255

Y. Darici, J. Marcano, H. Min and P.A. Montano, LEED measurements of one monolayer of iron epitaxially grown on Cu(111) 195 (1988) 566

Deuterium

D.A. Harrington and P.R. Norton, Activated adsorption of deuterium on Ni(110): evidence for a high temperature desorption state 195 (1988) L135

E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). I. Helium scattering as a probe of adsorption 195 (1988) 15

E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). II. Angle resolved thermal desorption spectroscopy and kinetic mechanism 195 (1988) 31

C. Egawa and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43

J.-W. He and P.R. Norton, Fractional-order desorption of D_2 from a Pd(110) surface 195 (1988) L199

Diffusion

V.V. Korobtsov, V.G. Lifshits and A.V. Zotov, Formation of Si(111)$\sqrt{3} \times \sqrt{3}$-B and Si epitaxy on Si(111)$\sqrt{3} \times \sqrt{3}$-B: LEED–AES study 195 (1988) 466

Electron diffraction, see also Low energy electron diffraction

M.G. Knibb and P.A. Maksym, The effect of reconstruction on RHEED intensities for the GaAs(001)2×4 surface 195 (1988) 475

Electron emission

P.A. Zeijlmans van Emmichoven, P.A.A.F. Wouters and A. Niehaus, Angle resolved electron spectra from grazing incidence He^{2+}/Cu(110) collisions 195 (1988) 115
M. Delaunay, C. Benazeth, N. Benazeth, R. Geller and C. Mayoral, Electron emission in multiply charged noble gas ion–gold solid target collisions: total and Auger yields 195 (1988) 455

Electron loss spectroscopy

D. Heskett, A. Baddorf and E.W. Plummer, Nitrogen-induced reconstruction of Cu(110): formation of a surface nitride 195 (1988) 94
T. Bornemann, A. Otto, K.H. Frank and B. Reihl, On the optical properties of coldly deposited silver films: comparison of EELS and reflectivity spectra 195 (1988) 161
L.J. Richter, T.A. Germer and W. Ho, Coadsorption-induced site changes: bridging hydrogen from CO and H on Rh(100) 195 (1988) L182
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403

Ellipsometry

H.J.W. Zandvliet and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138

Epitaxy

V.V. Korobtsov, V.G. Lifshits and A.V. Zotov, Formation of Si(111)$\sqrt{3} \times \sqrt{3}$-B and Si epitaxy on Si(111)$\sqrt{3} \times \sqrt{3}$-B: LEED–AES study 195 (1988) 466

Faceting

J.C. Boulliard and M.P. Sotto, Structural study of segregated sulphur on the stepped faces associated with Cu(100) 195 (1988) 255

Field effect

H.J.W. Zandvliet and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138

Gallium arsenide

M.G. Knibb and P.A. Maksym, The effect of reconstruction on RHEED intensities for the GaAs(001)2 × 4 surface 195 (1988) 475
H. Gnaser and I.D. Hutcheon, Preferential emission of lighter isotopes in the initial stage of sputtering 195 (1988) 499

Germanium

H.J.W. Zandvliet and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138
W.E. Packard and M.B. Webb, Xenon and krypton adsorption on Ge(111) 195 (1988) 371

Gold

A. Pavlovska, H. Steffen and E. Bauer, A comparison of thermal desorption techniques at high temperatures: Au on Mo(110) 195 (1988) 207
M.E. Levin, M. Salmeron, A.T. Bell and G.A. Somorjai, The characterization of Ti and Al oxide overlayers on rhodium and gold by XPS 195 (1988) 429
T.M. Parrill, Y.W. Chung and K.A. Stair, The effect of oxygen exposure on subsequent deposition of thin gold films on clean InP($\bar{1}\bar{1}\bar{1}$) surfaces 195 (1988) 443
M. Delaunay, C. Benazeth, N. Benazeth, R. Geller and C. Mayoral, Electron emission in multiply charged noble gas ion–gold solid target collisions: total and Auger yields 195 (1988) 455

Graphite

W.C. Fan, J. Strozier and A. Ignatiev, Island formation of aluminum on the graphite (0001) surface: LEED and AES study 195 (1988) 226

Halides

R.C. Baetzold, Y.T. Tan and P.W. Tasker, A computational approach to silver halide surfaces 195 (1988) 579

Halogens

D.P. Woodruff, D.L. Seymour, C.F. McConville, C.E. Riley, M.D. Crapper, N.P. Prince and R.G. Jones, A simple X-ray standing wave technique for surface structure determination – theory and an application 195 (1988) 237
S. Joyce, J.G. Langan and J.I. Steinfeld, Reactions of XeF_2 with thermally grown SiO_2 195 (1988) 270

Hydrogen

X.-Y. Zhu, S. Akhter, M.E. Castro and J.M. White, Kinetic studies using static SIMS: H_2 adsorption on Ni(100) 195 (1988) L145
E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). I. Helium scattering as a probe of adsorption 195 (1988) 15
E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). II. Angle resolved thermal desorption spectroscopy and kinetic mechanism 195 (1988) 31
T.S. Kusuma and A.L. Companion, An EHMO study of the interaction of CO molecules adsorbed on a Ni(111) surface with neighboring CO molecules, H atoms and O atoms 195 (1988) 59
M.E. Levin, K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, Alumina and titania overlayers on rhodium: a comparison of the chemisorption and catalytic properties 195 (1988) 341
L.J. Richter, T.A. Germer and W. Ho, Coadsorption-induced site changes: bridging hydrogen from CO and H on Rh(100) 195 (1988) L182

Indium phosphide

T.M. Parrill, Y.W. Chung and K.A. Stair, The effect of oxygen exposure on subsequent deposition of thin gold films on clean InP($\bar{1}\bar{1}\bar{1}$) surfaces 195 (1988) 443

Ion implantation

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103

Ion scattering

P.A. Zeijlmans van Emmichoven, P.A.A.F. Wouters and A. Niehaus, Angle resolved electron spectra from grazing incidence He^{2+}/Cu(110) collisions 195 (1988) 115
P.H. McBreen, S. Serghini-Monim, D. Roy and A. Adnot, Decomposition of formic acid on FeTi 195 (1988) L208
R. Kawai and M. Kawai, Theory of the low-energy surface Okorokov excitation for studying excited states of atoms in collision with surfaces 195 (1988) 535

Iron

E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). I. Helium scattering as a probe of adsorption 195 (1988) 15
E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). II. Angle resolved thermal desorption spectroscopy and kinetic mechanism 195 (1988) 31
Y. Darici, J. Marcano, H. Min and P.A. Montano, LEED measurements of one monolayer of iron epitaxially grown on Cu(111) 195 (1988) 566

Light scattering

Y.S. Kim, P.T. Leung and T.F. George, Classical decay rates for molecules in the presence of a spherical surface: a complete treatment 195 (1988) 1

Low energy electron diffraction

C. Egawa and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43
D. Heskett, A. Baddorf and E.W. Plummer, Nitrogen-induced reconstruction of Cu(110): formation of a surface nitride 195 (1988) 94
W.C. Fan, J. Strozier and A. Ignatiev, Island formation of aluminum on the graphite (0001) surface: LEED and AES study 195 (1988) 226
J.C. Boulliard and M.P. Sotto, Structural study of segregated sulphur on the stepped faces associated with Cu(100) 195 (1988) 255
R.J. Phaneuf and E.D. Williams, Metastable structures of Si(111) formed by laser-quenching 195 (1988) 330
M.C. Tringides and M.G. Lagally, The use of peak intensity in diffraction measurements of growth kinetics on surfaces 195 (1988) L159
W.E. Packard and M.B. Webb, Xenon and krypton adsorption on Ge(111) 195 (1988) 371
Y. Darici, J. Marcano, H. Min and P.A. Montano, LEED measurements of one monolayer of iron epitaxially grown on Cu(111) 195 (1988) 566

Magnesium

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103

Molecular beam studies

J.D. Beckerle, Q.Y. Yang, A.D. Johnson and S.T. Ceyer, The adsorption of CO and O_2 on Ni(111) at 8 K 195 (1988) 77
G.D. Billing, Laser-assisted molecule–surface collisions 195 (1988) 187
P.M. Agrawal, D.L. Thompson and L.M. Raff, Computational studies of heterogeneous reactions of SiH_2 on Si(111) surfaces 195 (1988) 283

Molybdenum

A. Pavlovska, H. Steffen and E. Bauer, A comparison of thermal desorption techniques at high temperatures: Au on Mo(110) 195 (1988) 207
H. Gnaser and I.D. Hutcheon, Preferential emission of lighter isotopes in the initial stage of sputtering 195 (1988) 499

Nickel

D.A. Harrington and P.R. Norton, Activated adsorption of deuterium on Ni(110): evidence for a high temperature desorption state 195 (1988) L135
X.-Y. Zhu, S. Akhter, M.E. Castro and J.M. White, Kinetic studies using static SIMS: H_2 adsorption on Ni(100) 195 (1988) L145
T.S. Kusuma and A.L. Companion, An EHMO study of the interaction of CO molecules adsorbed on a Ni(111) surface with neighboring CO molecules, H atoms and O atoms 195 (1988) 59
J.D. Beckerle, Q.Y. Yang, A.D. Johnson and S.T. Ceyer, The adsorption of CO and O_2 on Ni(111) at 8 K 195 (1988) 77

Nitric oxide

A.G.B.M. Sasse, D.G. Lakerveld and A. van Silfhout, The adsorption of nitric oxide on a silicon (100) 2×1 surface studied with Auger electron spectroscopy 195 (1988) L167

Nitrogen

D. Heskett, A. Baddorf and E.W. Plummer, Nitrogen-induced reconstruction of Cu(110): formation of a surface nitride 195 (1988) 94

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103

Noble gases

H. Stenschke, Superfluidity and film formation of ^4He on metal surfaces 195 (1988) 133

S. Joyce, J.G. Langan and J.I. Steinfeld, Reactions of XeF_2 with thermally grown SiO_2 195 (1988) 270

K. Kern, R. David, P. Zeppenfeld and G. Comsa, Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111) 195 (1988) 353

W.E. Packard and M.B. Webb, Xenon and krypton adsorption on Ge(111) 195 (1988) 371

Organic substances

S.M. Gates, Adsorption kinetics of SiH_4, Si_2H_6 and Si_3H_8 on the Si(111)-(7×7) surface 195 (1988) 307

Oxygen

T.S. Kusuma and A.L. Companion, An EHMO study of the interaction of CO molecules adsorbed on a Ni(111) surface with neighboring CO molecules, H atoms and O atoms 195 (1988) 59

J.D. Beckerle, Q.Y. Yang, A.D. Johnson and S.T. Ceyer, The adsorption of CO and O_2 on Ni(111) at 8 K 195 (1988) 77

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103

H.J.W. Zandvliet and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138

T.M. Parrill, Y.W. Chung and K.A. Stair, The effect of oxygen exposure on subsequent deposition of thin gold films on clean InP($\bar{1}\bar{1}\bar{1}$) surfaces 195 (1988) 443

Palladium

J.-W. He and P.R. Norton, Fractional-order desorption of D_2 from a Pd(110) surface 195 (1988) L199

Photoelectron spectroscopy

C. Egawa and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103

W. Radlik and H. Neddermeyer, UV photoemission study of the system Cu on Si(100)2 × 1 195 (1988) 195
S. Joyce, J.G. Langan and J.I. Steinfeld, Reactions of XeF_2 with thermally grown SiO_2 195 (1988) 270
P.H. McBreen, S. Serghini-Monim, D. Roy and A. Adnot, Decomposition of formic acid on FeTi 195 (1988) L208
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403
M.E. Levin, M. Salmeron, A.T. Bell and G.A. Somorjai, The characterization of Ti and Al oxide overlayers on rhodium and gold by XPS 195 (1988) 429
T.M. Parrill, Y.W. Chung and K.A. Stair, The effect of oxygen exposure on subsequent deposition of thin gold films on clean InP($\bar{1}\bar{1}\bar{1}$) surfaces 195 (1988) 443

Platinum

G.D. Billing, Laser-assisted molecule–surface collisions 195 (1988) 187
K. Kern, R. David, P. Zeppenfeld and G. Comsa, Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111) 195 (1988) 353
E.I. Altman and R.J. Gorte, A comparison of the desorption of CO from Pt and Rh particles on α-Al_2O_3{0001} 195 (1988) 392
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403

Rhodium

M.E. Levin, K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, Alumina and titania overlayers on rhodium: a comparison of the chemisorption and catalytic properties 195 (1988) 341
L.J. Richter, T.A. Germer and W. Ho, Coadsorption-induced site changes: bridging hydrogen from CO and H on Rh(100) 195 (1988) L182
E.I. Altman and R.J. Gorte, A comparison of the desorption of CO from Pt and Rh particles on α-Al_2O_3{0001} 195 (1988) 392
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403
M.E. Levin, M. Salmeron, A.T. Bell and G.A. Somorjai, The characterization of Ti and Al oxide overlayers on rhodium and gold by XPS 195 (1988) 429

Ruthenium

C. Egawa and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43

Secondary ion mass spectroscopy

X.-Y. Zhu, S. Akhter, M.E. Castro and J.M. White, Kinetic studies using static SIMS: H_2 adsorption on Ni(100) 195 (1988) L145

Silicon

E.M. Gullikson, A.P. Mills, Jr. and J.M. Phillips, Electron and positron work functions of cobalt silicide 195 (1988) L150
W. Radlik and H. Neddermeyer, UV photoemission study of the system Cu on Si(100)2 × 1 195 (1988) 195
P.M. Agrawal, D.L. Thompson and L.M. Raff, Computational studies of heterogeneous reactions of SiH_2 on Si(111) surfaces 195 (1988) 283
S.M. Gates, Adsorption kinetics of SiH_4, Si_2H_6 and Si_3H_8 on the Si(111)-(7 × 7) surface 195 (1988) 307
R.J. Phaneuf and E.D. Williams, Metastable structures of Si(111) formed by laser-quenching 195 (1988) 330
A.G.B.M. Sasse, D.G. Lakerveld and A. van Silfhout, The adsorption of nitric oxide on a silicon (100) 2 × 1 surface studied with Auger electron spectroscopy 195 (1988) L167
Zheng Qing-qi, Zeng Zhi and Han Rushan, Electronic structures of Ag-adsorbed Si(111) surface 195 (1988) L173
V.V. Korobtsov, V.G. Lifshits and A.V. Zotov, Formation of Si(111)$\sqrt{3}$ × $\sqrt{3}$-B and Si epitaxy on Si(111)$\sqrt{3}$ × $\sqrt{3}$-B: LEED–AES study 195 (1988) 466

Silicon oxide

S. Joyce, J.G. Langan and J.I. Steinfeld, Reactions of XeF_2 with thermally grown SiO_2 195 (1988) 270

Silver

T. Bornemann, A. Otto, K.H. Frank and B. Reihl, On the optical properties of coldly deposited silver films: comparison of EELS and reflectivity spectra 195 (1988) 161
Zheng Qing-qi, Zeng Zhi and Han Rushan, Electronic structures of Ag-adsorbed Si(111) surface 195 (1988) L173

Sputtering

H. Gnaser and I.D. Hutcheon, Preferential emission of lighter isotopes in the initial stage of sputtering 195 (1988) 499
D.B. Chrisey, J.W. Boring, R.E. Johnson and J.A. Phipps, Molecular ejection from low temperature sulfur by keV ions 195 (1988) 594

Sulphur

D.P. Woodruff, D.L. Seymour, C.F. McConville, C.E. Riley, M.D. Crapper, N.P. Prince and R.G. Jones, A simple X-ray standing wave technique for surface structure determination – theory and an application 195 (1988) 237
J.C. Boulliard and M.P. Sotto, Structural study of segregated sulphur on the stepped faces associated with Cu(100) 195 (1988) 255
D.B. Chrisey, J.W. Boring, R.E. Johnson and J.A. Phipps, Molecular ejection from low temperature sulfur by keV ions 195 (1988) 594

Surface conductivity, see also Field effect

H.J.W. Zandvliet and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138

Surface defects

R.C. Baetzold, Y.T. Tan and P.W. Tasker, A computational approach to silver halide surfaces 195 (1988) 579

Surface diffusion

V.P. Zhdanov, On kinetics of reactions limited by surface diffusion 195 (1988) L217

Surface plasmons

T. Bornemann, A. Otto, K.H. Frank and B. Reihl, On the optical properties of coldly deposited silver films: comparison of EELS and reflectivity spectra 195 (1988) 161

Surface roughness

J.P. Petrakian and P. Renucci, Influence of the depth resolution on the resulting AES profiles of components in multilayer thin film structures 195 (1988) 151

Surface segregation

P.R. Underhill, An embedded atom calculation of surface segregation in Co–Ni alloys 195 (1988) 557

Surface states

H.J.W. Zandvliet and A. van Silfhout, Surface states on clean Ge(111) surfaces 195 (1988) 138

Surface structure, see also Low energy electron diffraction

D.P. Woodruff, D.L. Seymour, C.F. McConville, C.E. Riley, M.D. Crapper, N.P. Prince and R.G. Jones, A simple X-ray standing wave technique for surface structure determination – theory and an application 195 (1988) 237

J.C. Boulliard and M.P. Sotto, Structural study of segregated sulphur on the stepped faces associated with Cu(100) 195 (1988) 255

R.J. Phaneuf and E.D. Williams, Metastable structures of Si(111) formed by laser-quenching 195 (1988) 330

M.G. Knibb and P.A. Maksym, The effect of reconstruction on RHEED intensities for the GaAs(001)2×4 surface 195 (1988) 475

Y. Darici, J. Marcano, H. Min and P.A. Montano, LEED measurements of one monolayer of iron epitaxially grown on Cu(111) 195 (1988) 566

Surface thermodynamics

H. Stenschke, Superfluidity and film formation of ^{4}He on metal surfaces 195 (1988) 133
K. Kern, R. David, P. Zeppenfeld and G. Comsa, Registry effects in the thermodynamic quantities of Xe adsorption on Pt(111) 195 (1988) 353

Thermal desorption

D.A. Harrington and P.R. Norton, Activated adsorption of deuterium on Ni(110): evidence for a high temperature desorption state 195 (1988) L135
E.A. Kurz and J.B. Hudson, The adsorption of H_2 and D_2 on Fe(110). II. Angle resolved thermal desorption spectroscopy and kinetic mechanism 195 (1988) 31
C. Egawa and Y. Iwasawa, Adsorption of CO and D_2 on Fe/Ru(001) surface 195 (1988) 43
D. Heskett, A. Baddorf and E.W. Plummer, Nitrogen-induced reconstruction of Cu(110): formation of a surface nitride 195 (1988) 94
A. Pavlovska, H. Steffen and E. Bauer, A comparison of thermal desorption techniques at high temperatures: Au on Mo(110) 195 (1988) 207
S.M. Gates, Adsorption kinetics of SiH_4, Si_2H_6 and Si_3H_8 on the Si(111)-(7×7) surface 195 (1988) 307
H.S. Tan, A. Morawski and W.E. Jones, Temperature programmed desorption studies of CO on CdTe(110) 195 (1988) L193
J.-W. He and P.R. Norton, Fractional-order desorption of D_2 from a Pd(110) surface 195 (1988) L199
E.I. Altman and R.J. Gorte, A comparison of the desorption of CO from Pt and Rh particles on α-$Al_2O_3\{0001\}$ 195 (1988) 392
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403

Thin films

J.P. Petrakian and P. Renucci, Influence of the depth resolution on the resulting AES profiles of components in multilayer thin film structures 195 (1988) 151

Titanium oxide

M.E. Levin, K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, Alumina and titania overlayers on rhodium: a comparison of the chemisorption and catalytic properties 195 (1988) 341
M.E. Levin, M. Salmeron, A.T. Bell and G.A. Somorjai, The characterization of Ti and Al oxide overlayers on rhodium and gold by XPS 195 (1988) 429
H. Gnaser and I.D. Hutcheon, Preferential emission of lighter isotopes in the initial stage of sputtering 195 (1988) 499

Water

X.D. Peng, D.S. Edwards and M.A. Barteau, Reactions of O_2 and H_2O with magnesium nitride films 195 (1988) 103
F.T. Wagner, T.E. Moylan and S.J. Schmieg, Hydrophilic versus hydrophobic coadsorption: carbon monoxide and water on Rh(111) versus Pt(111) 195 (1988) 403

Work function

D.A. Harrington and P.R. Norton, Activated adsorption of deuterium on Ni(110): evidence for a high temperature desorption state 195 (1988) L135
E.M. Gullikson, A.P. Mills, Jr. and J.M. Phillips, Electron and positron work functions of cobalt silicide 195 (1988) L150

X-ray scattering

D.P. Woodruff, D.L. Seymour, C.F. McConville, C.E. Riley, M.D. Crapper, N.P. Prince and R.G. Jones, A simple X-ray standing wave technique for surface structure determination – theory and an application 195 (1988) 237